ADDING AN EXTERNAL GIGABIT ETHERNET ADAPTER TO REPAIR OR IMPROVE A COMPUTER

by Francis Chao
fchao2@yahoo.com
Web location for this presentation:

http://aztcs.org

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SUMMARY

You can add external USB Gigabit Ethernet adapter to make a cost-effective temporary or permanent repair or improve to a computer.
TOPICS

• External USB Gigabit Ethernet adapters--A Useful Add-on
• Installing USB Gigabit Ethernet adapters
• Examples of USB Gigabit Ethernet adapters
• Placing an external USB Gigabit Ethernet adapter into service
EXTERNAL USB GIGABIT ETHERNET ADAPTERS--A USEFUL ADD-ON

- If the Ethernet adapter that came with your computer has failed or has slowed down to a crawl, you can add an external USB Ethernet adapter to resolve the problem.
If your computer's connection suddenly fails or become real slow and your computer is connected by means of an Ethernet network adapter AND the other computers or devices on your home or business network did not also experience an Internet slowdown, you can try installing an external USB Gigabit Ethernet adapter.
To test the Internet download and upload speeds on each of your computers, open a Web browser, and run the test at http://speedtest.net which uses the very reliable "Ookla" system for testing Internet download and upload speeds.
INSTALLING EXTERNAL USB GIGABIT ETHERNET ADAPTERS

- You can install a USB 3-based Gigabit Ethernet adapter to replace or improve upon the existing Ethernet adapter in your computer.
INSTALLING EXTERNAL USB GIGABIT ETHERNET ADAPTERS (continued)

- Buy Ethernet adapters that are USB 3.x-based:
  Do not buy USB 2.x-based Ethernet adapters since they are too slow.
  Do not buy obsolete Fast Ethernet Adapters (which only operate at 100-Megabit per second nominal speeds)
INSTALLING EXTERNAL USB GIGABIT ETHERNET ADAPTERS (continued)

- Make sure that any USB 3.x-based Ethernet adapters that you buy can handle "Gigabit Ethernet" speeds (= "1000 Megabit per second speeds"): Do not buy obsolete Fast Ethernet Adapters (which only operate at 10-Megabit or 100-Megabit per second nominal speeds)
INSTALLING EXTERNAL USB GIGABIT ETHERNET ADAPTERS (continued)

- Most USB 3-based Gigabit Ethernet adapters use the ASIX AX88179 chip set. The manufacturers that employ this chip set include: "Amazon Basics", "Cable Matters", "Rankie", "StarTech" and "Trendnet".
INSTALLING EXTERNAL USB GIGABIT ETHERNET ADAPTERS (continued)

- Do not buy any USB 3-based Gigabit Ethernet adapters that use ASIX chip sets with model numbers that are lower-numbered than the AX88179 chip set, since they are now obsolete.
The SIIG model JU-NE0621-S2 which is also known as the model BSN2611X uses a Realtek RTL8153 chip set instead of an ASIX chip set. We have not seen any differences in performance between this Realtek device and the ones that use the more prevalent ASIX AX88179 chip set. This model connects to a "Type A" USB 3.x port.
EXAMPLES OF EXTERNAL PARTS
(continued)

○ SIIG model JU-NE0621-S2
(continued):
See
https://www.amazon.com/SIIG-Gigabit-Ethernet-adapter-Windows/dp/B00YT737ZU/ref=sr_1_1?ie=UTF8&qid=1543354465&s=8-1&keywords=JU-NE0621-S2
SIIG USB 3.0 to Gigabit Ethernet 10/100/1000 Mbps RJ45 LAN adapter for Windows and Mac systems - White (JU-NE0621-S2)

by SIIG

306 customer reviews  |  52 answered questions

Amazon’s Choice for "JU-NE0621-S2"

Price: $13.99 & FREE Shipping. Details

Get $50 off instantly: Pay $0.00 upon approval for the Amazon Rewards Visa Card.

✔️ prime | Try Fast, Free Shipping

Color: White

$15.18  $34.74  $13.17

$24.99  $13.99
SIIG USB 3.0 to Gigabit Ethernet 10/100/1000 Mbps RJ45 LAN adapter for Windows and Mac systems - White (JU-NE0621-S2)

by SIIG

306 customer reviews | 52 answered questions

Amazon’s Choice for "JU-NE0621-S2"

Price: **$13.99** & FREE Shipping. Details
The Trendnet TU3-ETG has an ASIX chip set and it connects to a USB 3.x "Type A" port:
See
https://www.amazon.com/TRENDnet-Ethernet-Chromebook-Specific-TU3-ETG/dp/B00FFJ0RKE/ref=sr_1_1?ie=UTF8&qid=1543354755&sr=8-1&keywords=tu3-etg
TRENDnet USB 3.0 to Gigabit Ethernet LAN Wired Network Adapter for Windows, Mac, Chromebook, Linux, and Specific Android Tablets, Nintendo Switch, ASIX AX88179 Chipset, TU3-ETG

by TRENDnet

713 customer reviews | 118 answered questions

Amazon's Choice for "tu3-etag"

List Price: $48.49
Price: $13.65 & FREE Shipping. Details
You Save: $34.84 (26%)

Get $50 off instantly: Pay $0.00 upon approval for the Amazon Rewards Visa Card.

✔️prime | Try Fast, Free Shipping

Capacity: USB 3.0

USB 2.0 | USB 3.0 | USB-C
The Trendnet TUC-ETG also has an ASIX chip set and it connects to a USB-C port instead of a "Type A" USB 3.x port.

See

https://www.amazon.com/TRENDnet-Ethernet-Chromebook-Specific-TU3-ETG/dp/B01FXDVDKE/ref=sr_1_1?ie=UTF8&qid=1543354755&sr=8-1&keywords=tu3-etg&th=1
TRENDnet USB Type-C to Gigabit Ethernet LAN Wired Network Adapter for Windows & Mac, Compatible with Windows 10, and Mac OS X 10.6 and Above, Energy Saving, 5 inch Length, TUC-ETG

by TRENDnet

713 customer reviews | 118 answered questions

Price: $17.99 & FREE Shipping. Details

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Capacity: USB-C

USB 2.0 USB 3.0 USB-C

Model: Gigabit

10/100 Mbps Ethernet 3-Port Hub with Gigabit Port

Gigabit Universal Docking Station
PLACING AN EXTERNAL USB GIGABIT ETHERNET ADAPTER INTO SERVICE:

- Install the USB Gigabit Ethernet Adapter
- Go to the Windows "Control Panel"
- Go to "Network and Sharing Center"
- Go to "Change adapter settings"
- Right-click on the USB Gigabit Ethernet Adapter and make sure that it is "Enabled"
- Disable any other Ethernet Adapters in "Network Connections"
Control Panel
Network and Sharing Center

Control Panel Home

Change adapter settings

Change advanced sharing settings
Change adapter settings